



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

22429 7590 11/01/2004
LOWE HAUPTMAN GILMAN AND BERNER, LLP
1700 DIAGONAL ROAD
SUITE 300 /310
ALEXANDRIA, VA 22314

EXAMINER

SNIEZEK, ANDREW L

ART UNIT PAPER NUMBER

2651

DATE MAILED: 11/01/2004

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
09/917,783 07/31/2001 Richard Arthur Bickers 30970031-1 1410

TITLE OF INVENTION: UPDATEABLE CENTRALISED DATA POSITION INFORMATION STORAGE SYSTEM

Table with 6 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE, PUBLICATION FEE, TOTAL FEE(S) DUE, DATE DUE
nonprovisional NO \$1370 \$300 \$1670 02/01/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**or Fax (703) 746-4000**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22429 7590 11/01/2004

**LOWE HAUPTMAN GILMAN AND BERNER, LLP**  
**1700 DIAGONAL ROAD**  
**SUITE 300 /310**  
**ALEXANDRIA, VA 22314**

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/917,783	07/31/2001	Richard Arthur Bickers	30970031-1	1410

TITLE OF INVENTION: UPDATEABLE CENTRALISED DATA POSITION INFORMATION STORAGE SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1370	\$300	\$1670	02/01/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
SNIEZEK, ANDREW L	2651	360-072200

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list  
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_  
 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  
 PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.  
 (A) NAME OF ASSIGNEE \_\_\_\_\_ (B) RESIDENCE: (CITY and STATE OR COUNTRY) \_\_\_\_\_

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are enclosed:  
 Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies \_\_\_\_\_  
 4b. Payment of Fee(s):  
 A check in the amount of the fee(s) is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)  
 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 09/917,783, 07/31/2001, Richard Arthur Bickers, 30970031-1, 1410
Row 2: 22429, 7590, 11/01/2004, [Empty], [Empty]
Row 3: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 4: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 5: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 6: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 7: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 8: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 9: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 10: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 11: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 12: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 13: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 14: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 15: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 16: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 17: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 18: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 19: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 20: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 21: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 22: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 23: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 24: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 25: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 26: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 27: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 28: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 29: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 30: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 31: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 32: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 33: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 34: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 35: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 36: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 37: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 38: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 39: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 40: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 41: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 42: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 43: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 44: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 45: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 46: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 47: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 48: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 49: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 50: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 51: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 52: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 53: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 54: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 55: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 56: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 57: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 58: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 59: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 60: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 61: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 62: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 63: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 64: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 65: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 66: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 67: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 68: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 69: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 70: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 71: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 72: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 73: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 74: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 75: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 76: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 77: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 78: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 79: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 80: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 81: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 82: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 83: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 84: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 85: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 86: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 87: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 88: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 89: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 90: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 91: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 92: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 93: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 94: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 95: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 96: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 97: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 98: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 99: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 100: [Empty], [Empty], [Empty], [Empty], [Empty]

LOWE HAUPTMAN GILMAN AND BERNER, LLP
1700 DIAGONAL ROAD
SUITE 300 /310
ALEXANDRIA, VA 22314

EXAMINER

SNIEZEK, ANDREW L

ART UNIT PAPER NUMBER

2651

DATE MAILED: 11/01/2004

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 549 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 549 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

22429 7590 11/01/2004
LOWE HAUPTMAN GILMAN AND BERNER, LLP
1700 DIAGONAL ROAD
SUITE 300 /310
ALEXANDRIA, VA 22314

EXAMINER
SNIEZEK, ANDREW L

ART UNIT PAPER NUMBER
2651

DATE MAILED: 11/01/2004

Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because some fees will increase effective October 1, 2004.

The current fee schedule is accessible from WEB site (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant.

Effective October 1, 2004, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

- (a) Issue fee for issuing each original or reissue patent, except a design or plant patent:
By a small entity (Sec. 1.27(a))..... \$685.00
By other than a small entity..... \$1,370.00
(b) Issue fee for issuing a design patent:
By a small entity (Sec. 1.27(a))..... \$245.00
By other than a small entity..... \$490.00
(c) Issue fee for issuing a plant patent:
By a small entity (Sec. 1.27(a))..... \$330.00
By other than a small entity..... \$660.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.